

FIG. 1

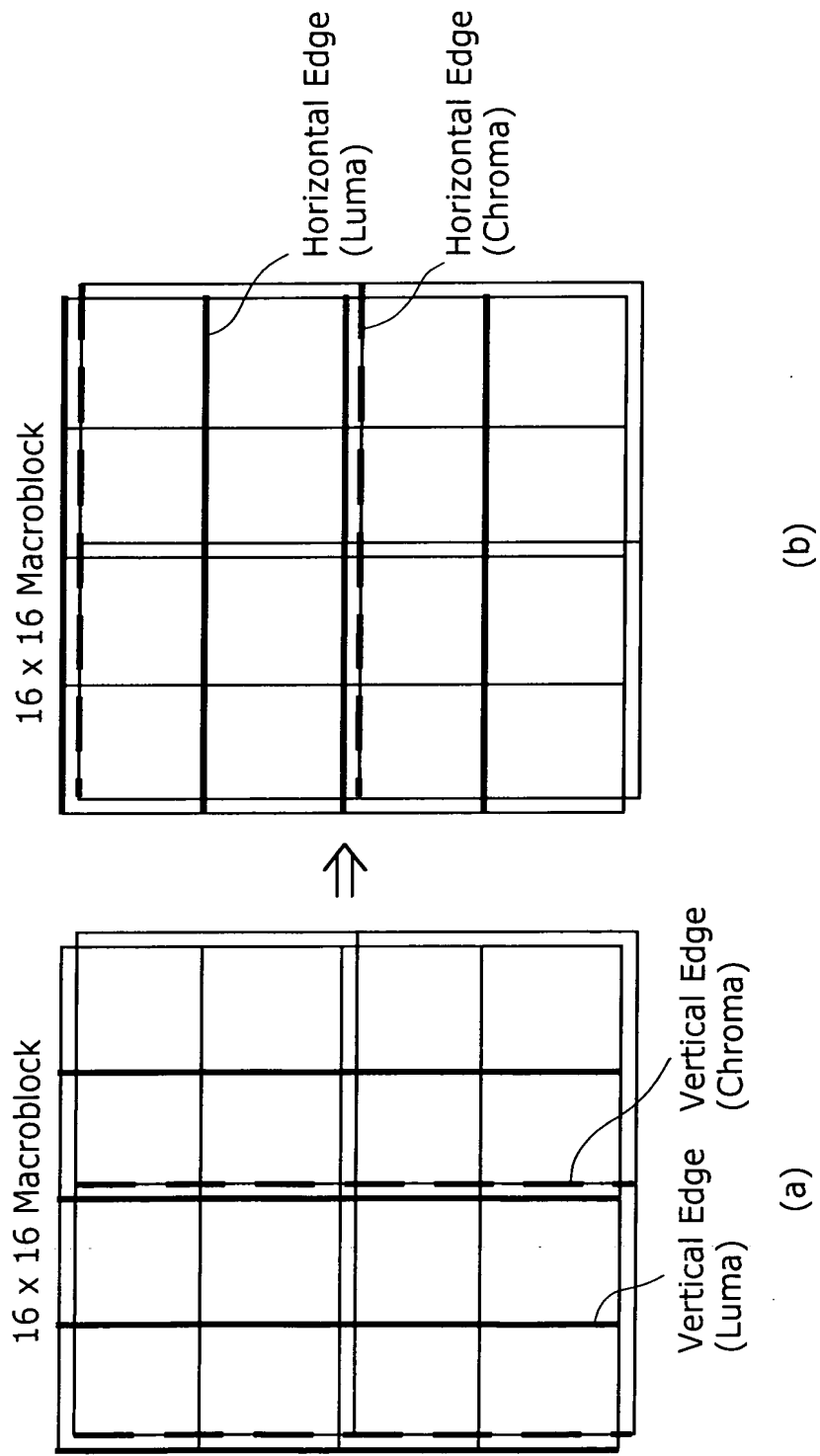


FIG. 2

p3	p2	p1	p0	q0	q1	q2	q3
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FIG. 3A

0	0	0	0	0	0	0
0	0	0	0	0	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
1	1	1	1	1	1	1
2	2	2	2	2	2	2

MB

FIG. 3B

0	1	0	1	0	1	0
1	0	1	0	1	0	1
0	1	0	1	0	1	0
1	0	1	0	1	0	1
0	1	0	1	0	1	0
1	0	1	0	1	0	1

FIG. 3C

2	2	2	2	2	2	2
2	1	1	1	1	1	2
2	1	0	0	0	1	2
2	1	0	0	0	1	2
2	2	0	0	0	2	2
2	2	2	2	2	2	2

FIG. 3D

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64					

SG

S1 S2 S3

The diagram illustrates the difference between pre-processing and post-processing in a data pipeline. It features a horizontal timeline labeled "Time" with an arrow pointing to the right. The pipeline is divided into two main sections: "Pre-processing" and "Post-processing", separated by a vertical line.

Pre-processing: This section shows data being processed before it is stored. It includes three data blocks labeled "Data₁", "Data₂", and "Data₃".

Post-processing: This section shows data being processed after it is stored. It includes three data blocks labeled "Data₁", "Data₂", and "Data₃".

The diagram highlights that in pre-processing, data is processed before being stored, while in post-processing, data is processed after being stored.

FIG. 5

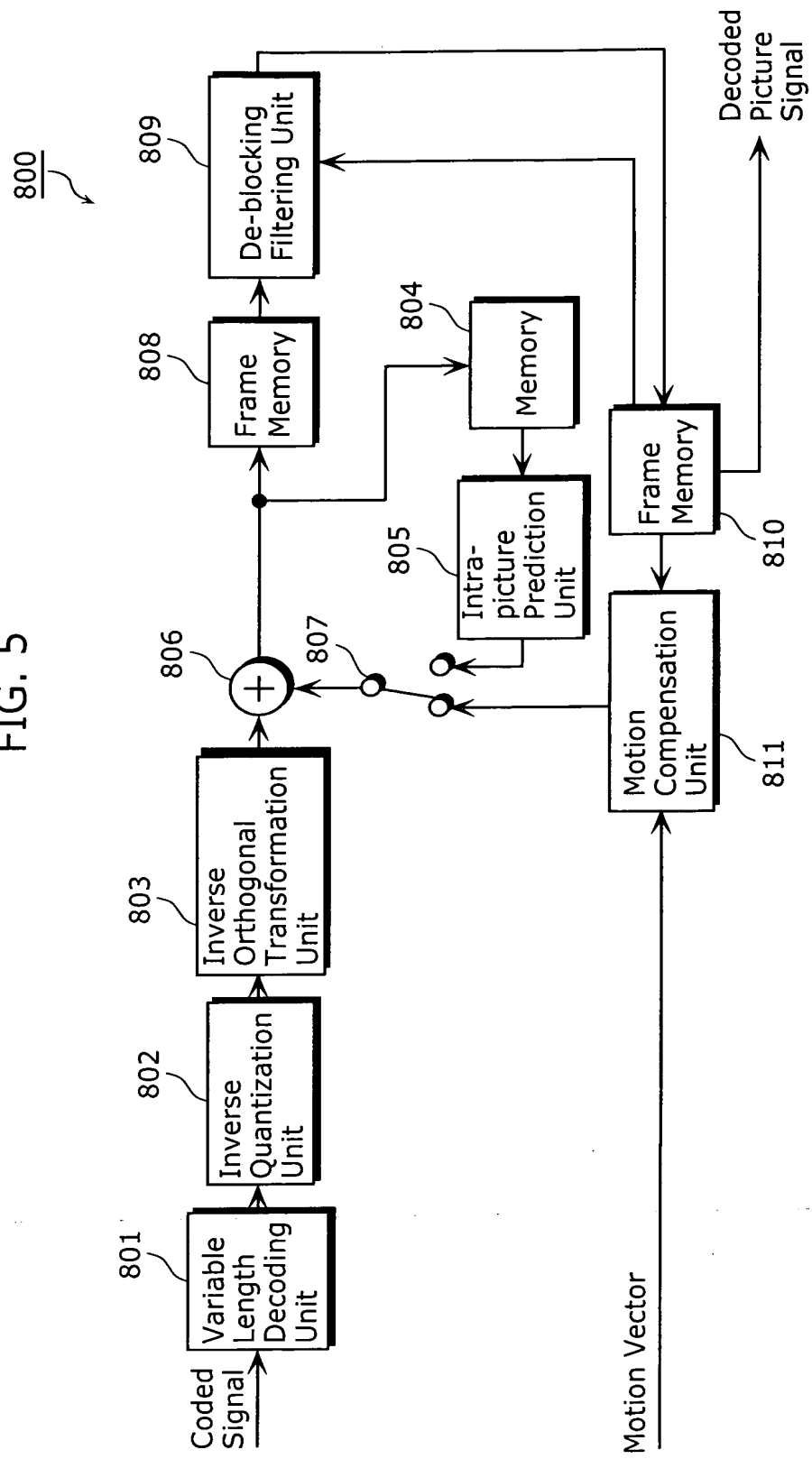
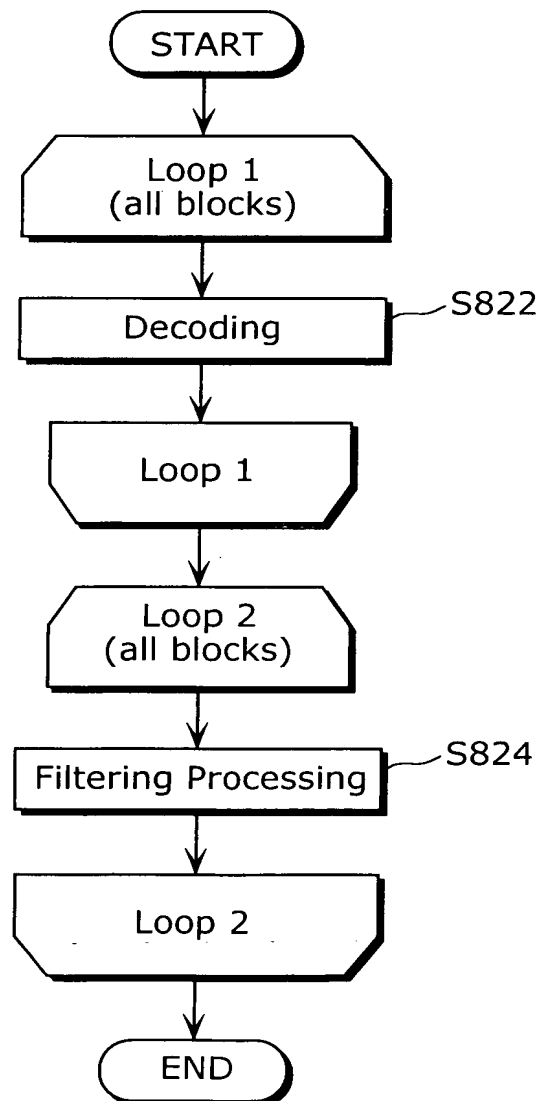


FIG. 6



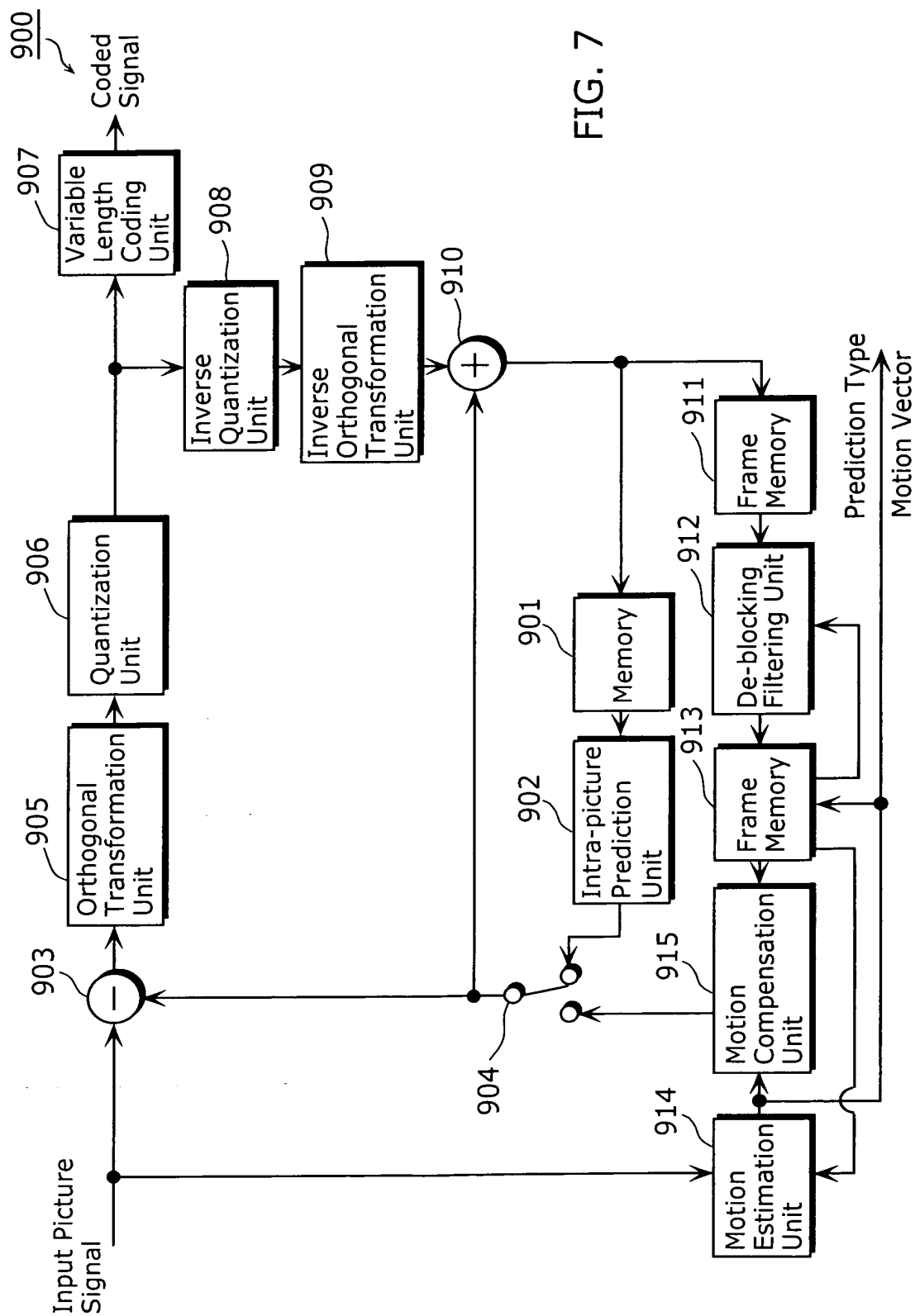


FIG. 7

FIG. 8

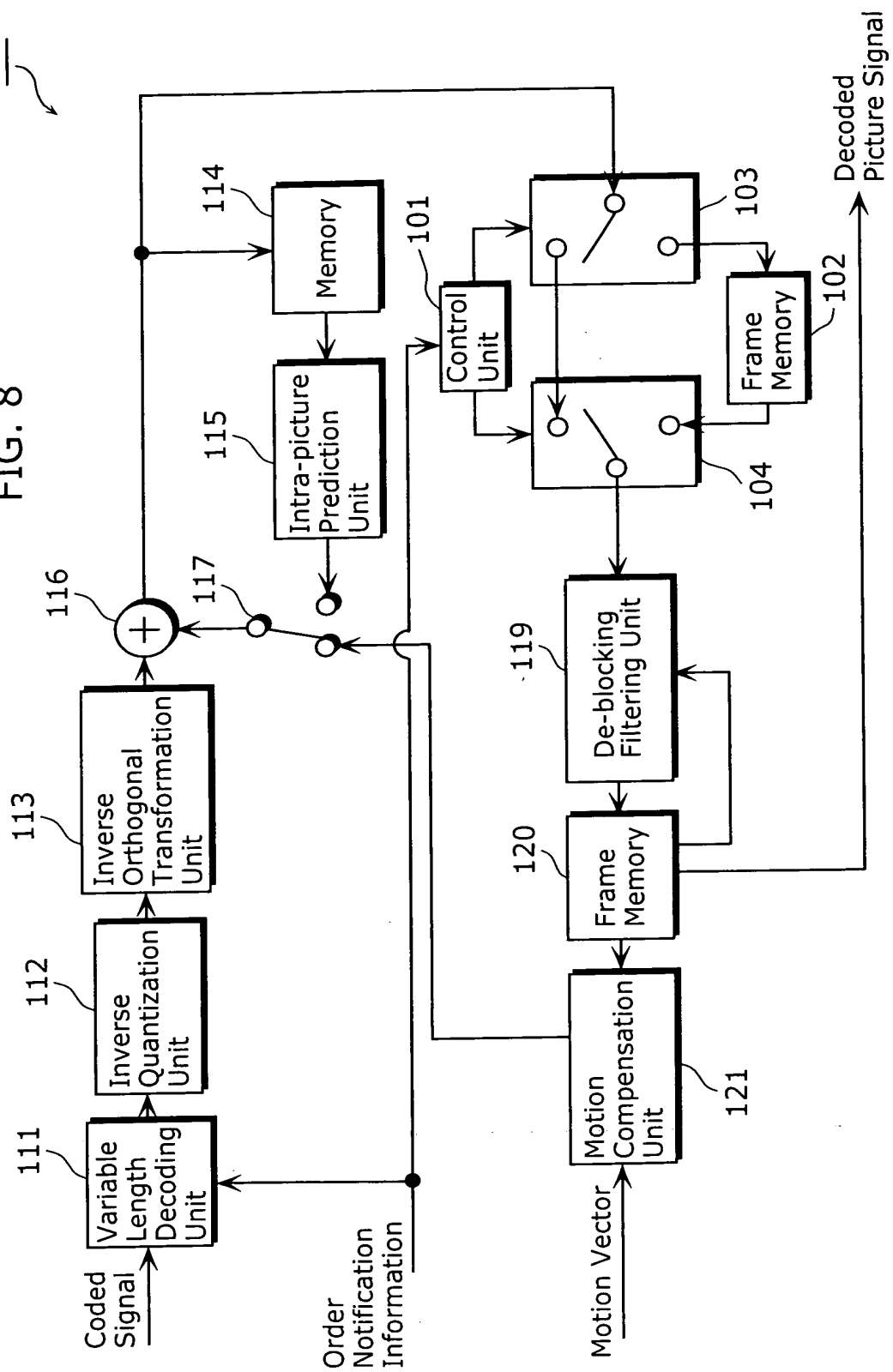


FIG. 9

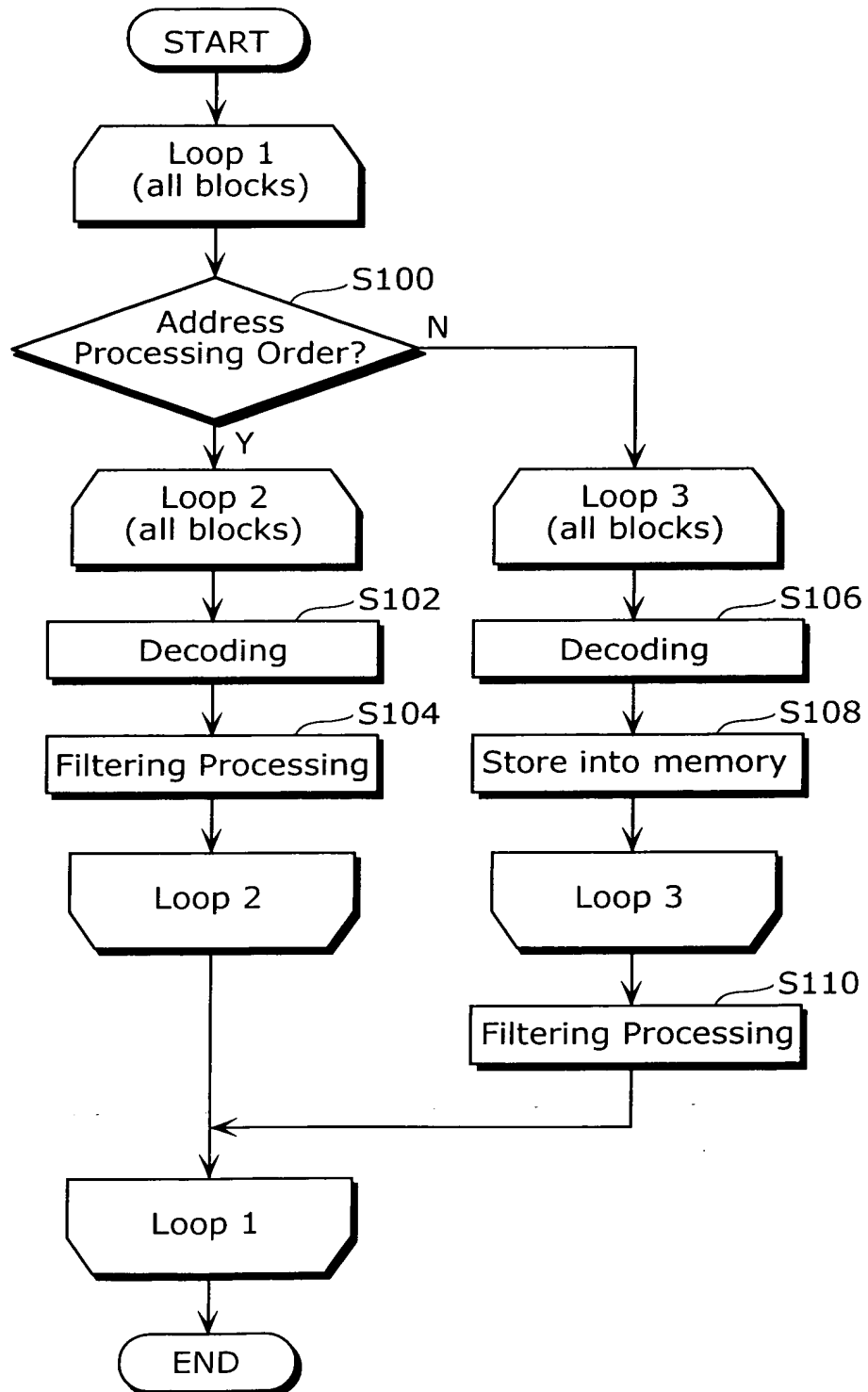


FIG. 10

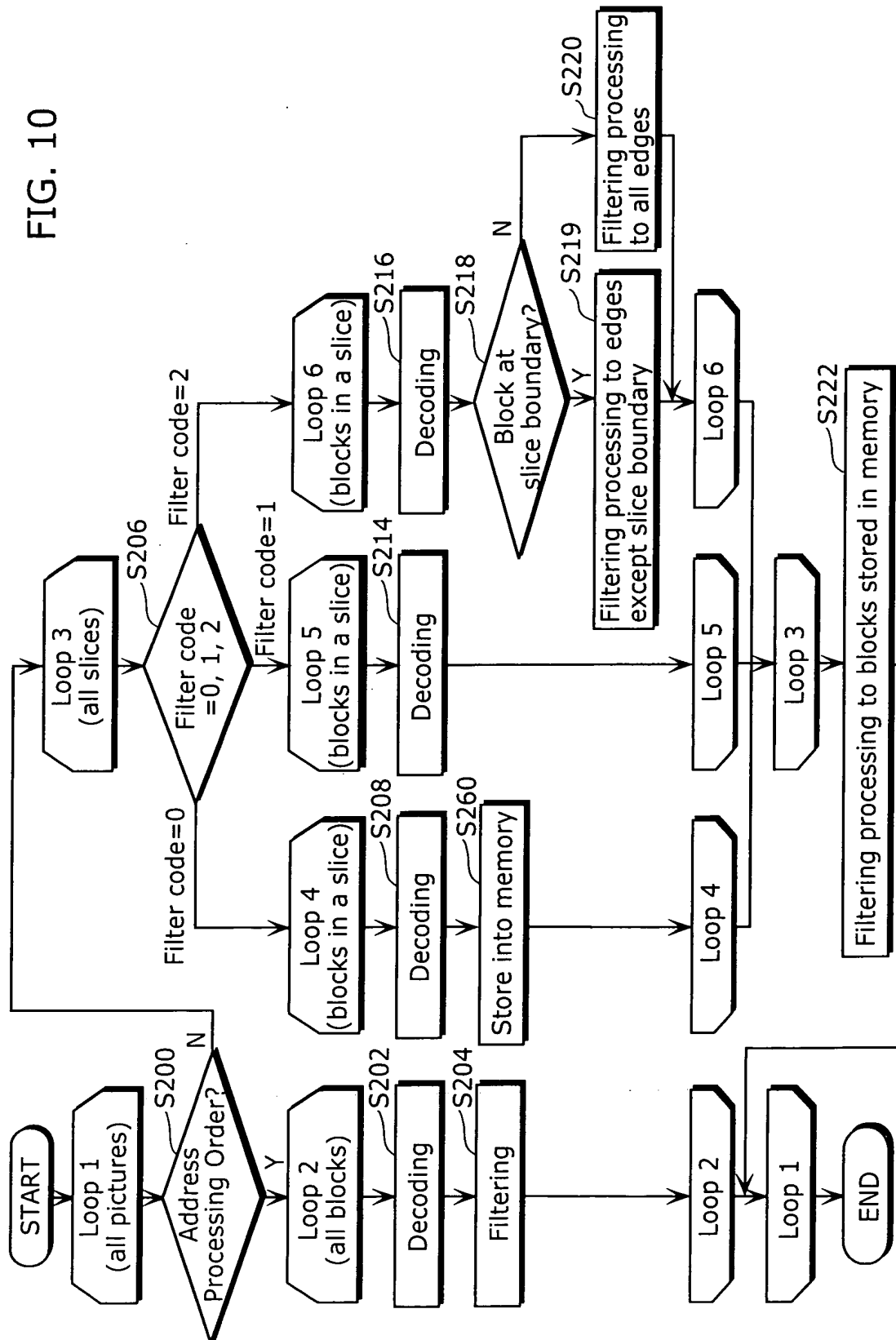
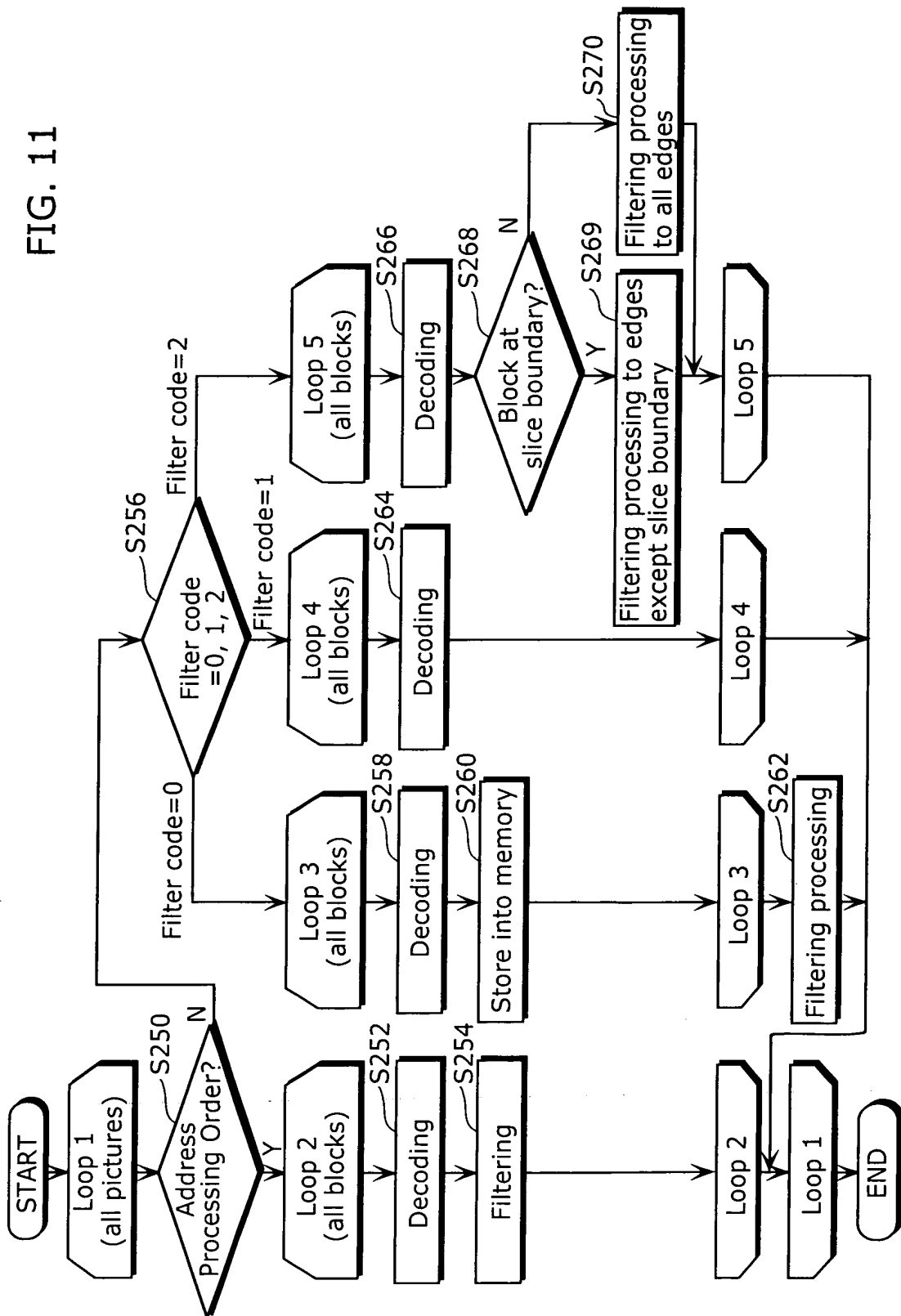


FIG. 11



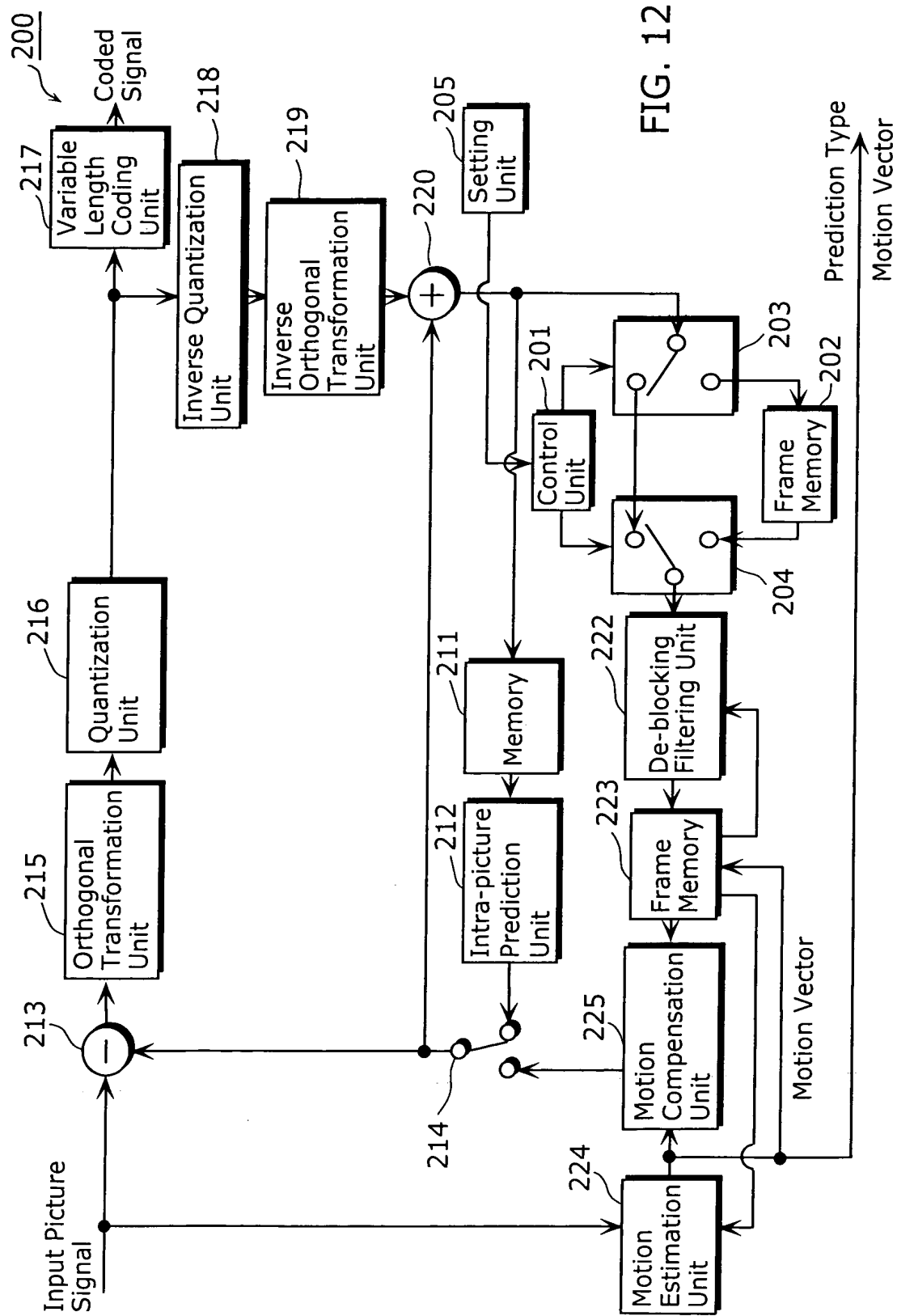
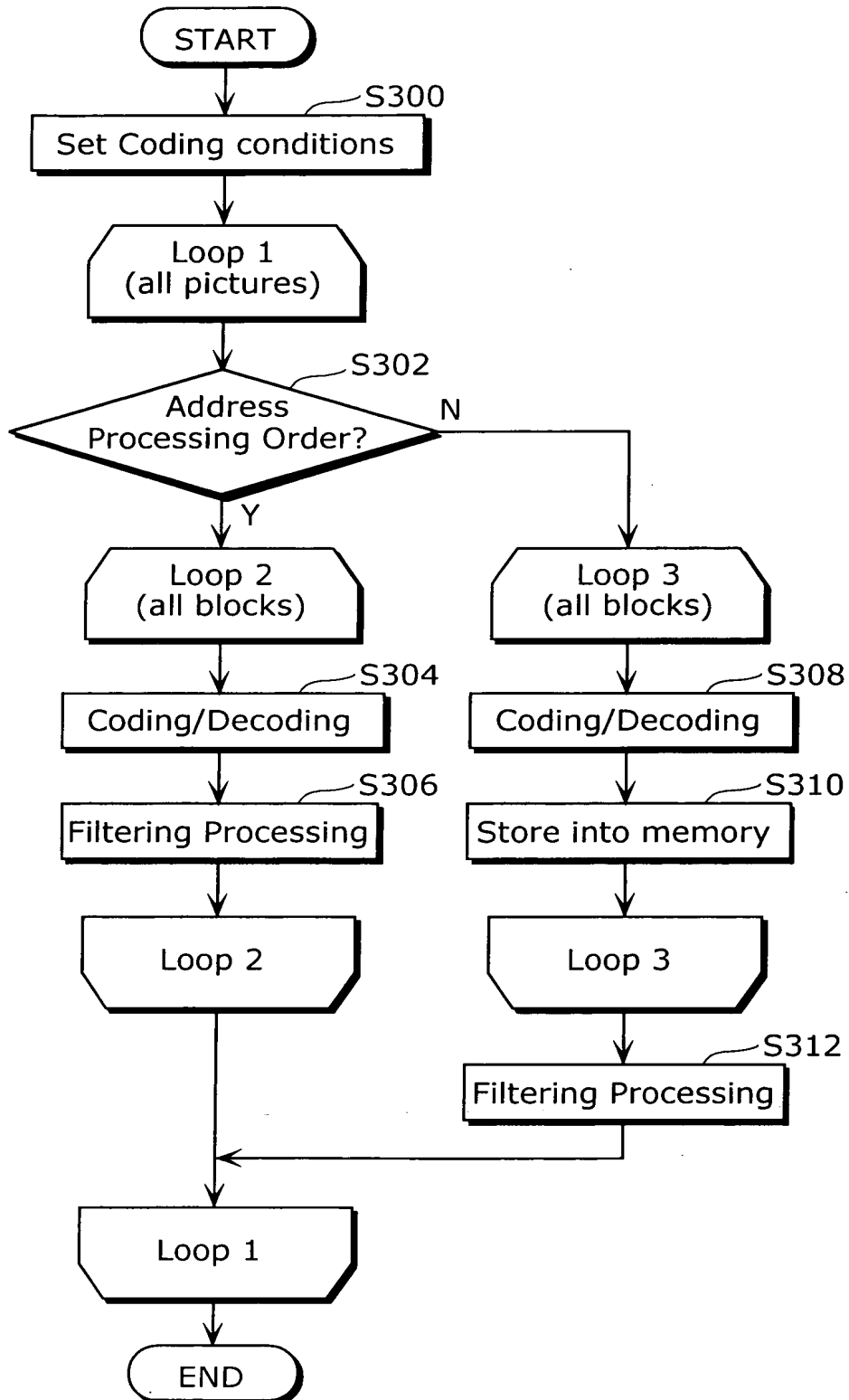


FIG. 13



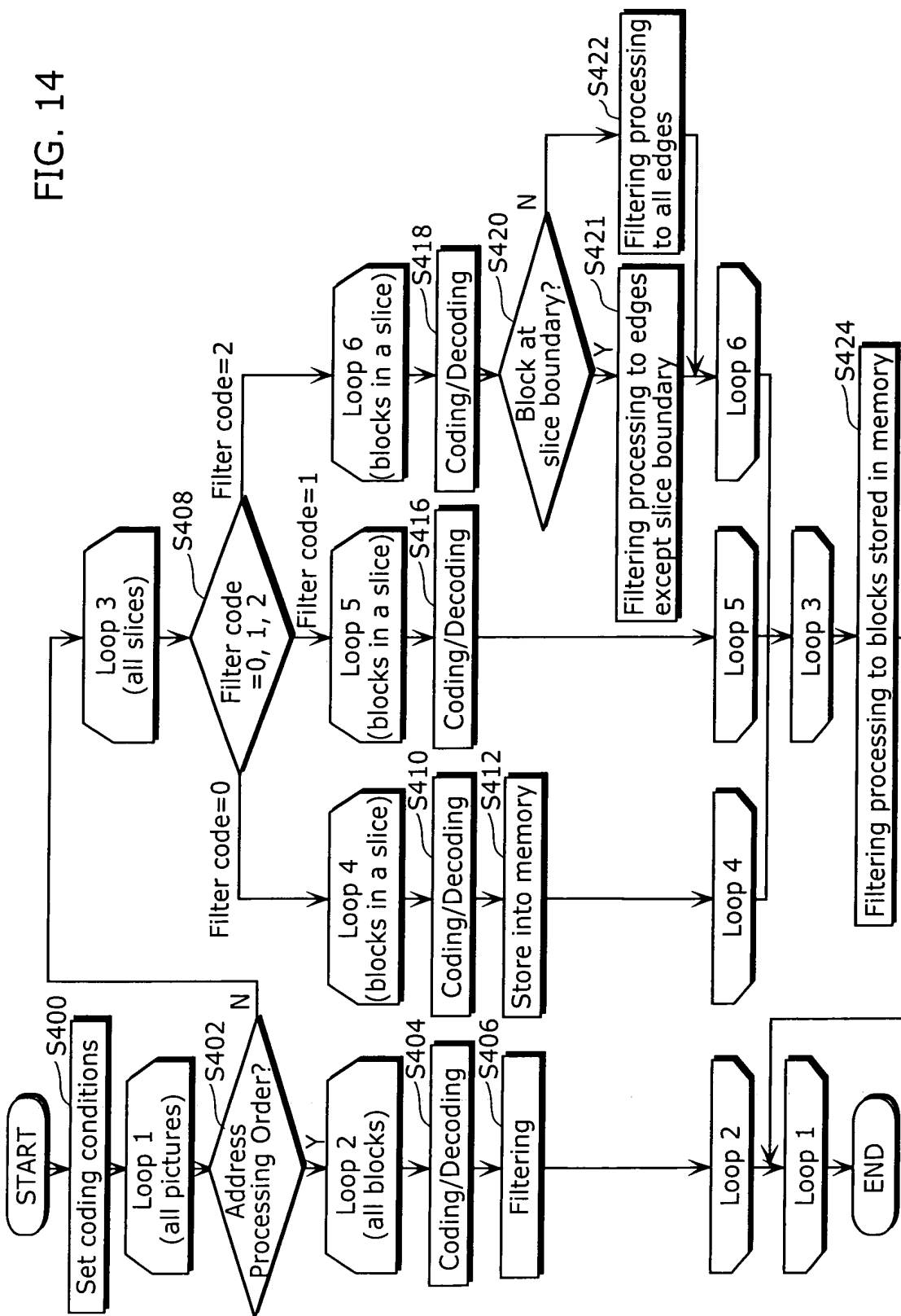


FIG. 15

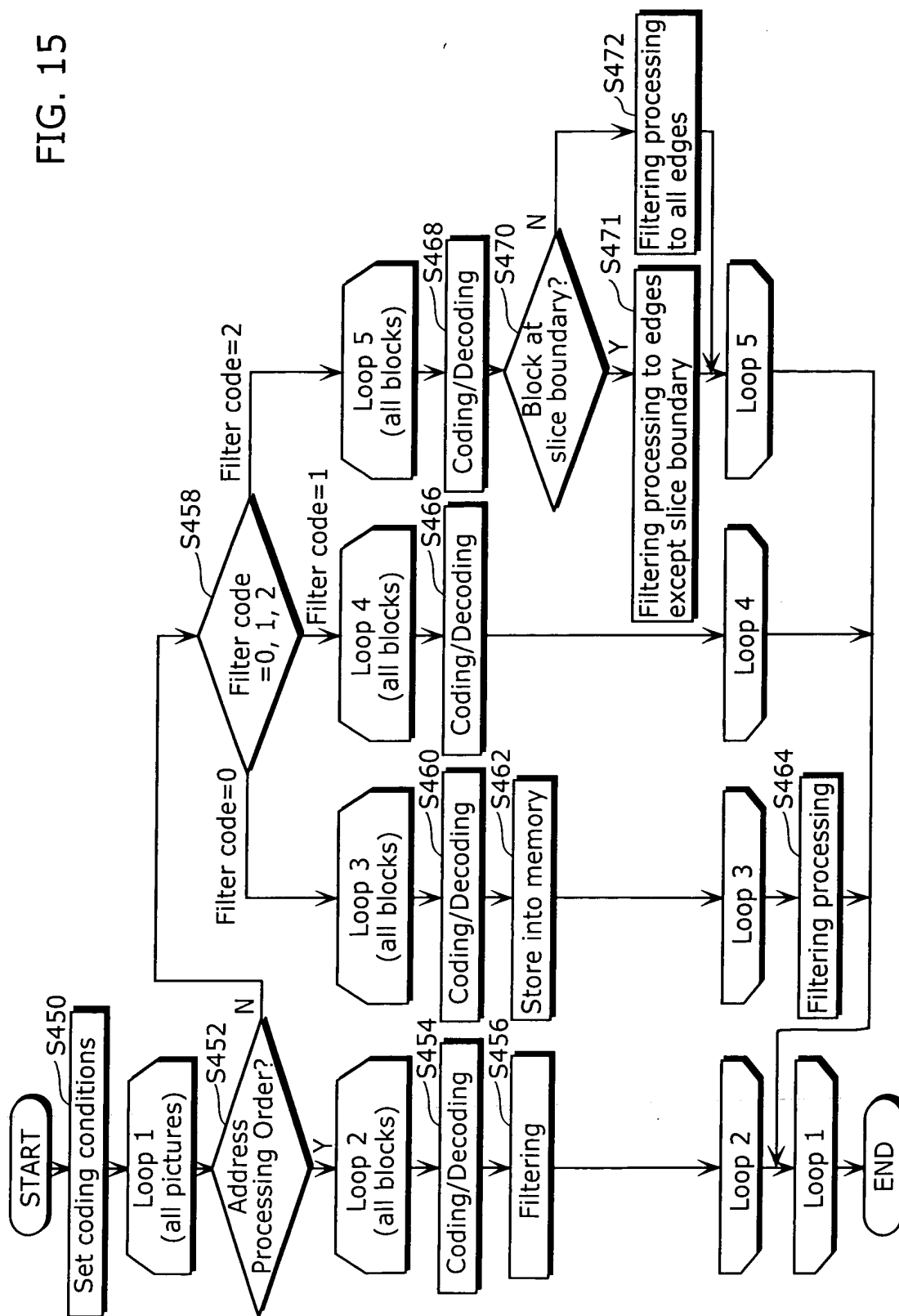
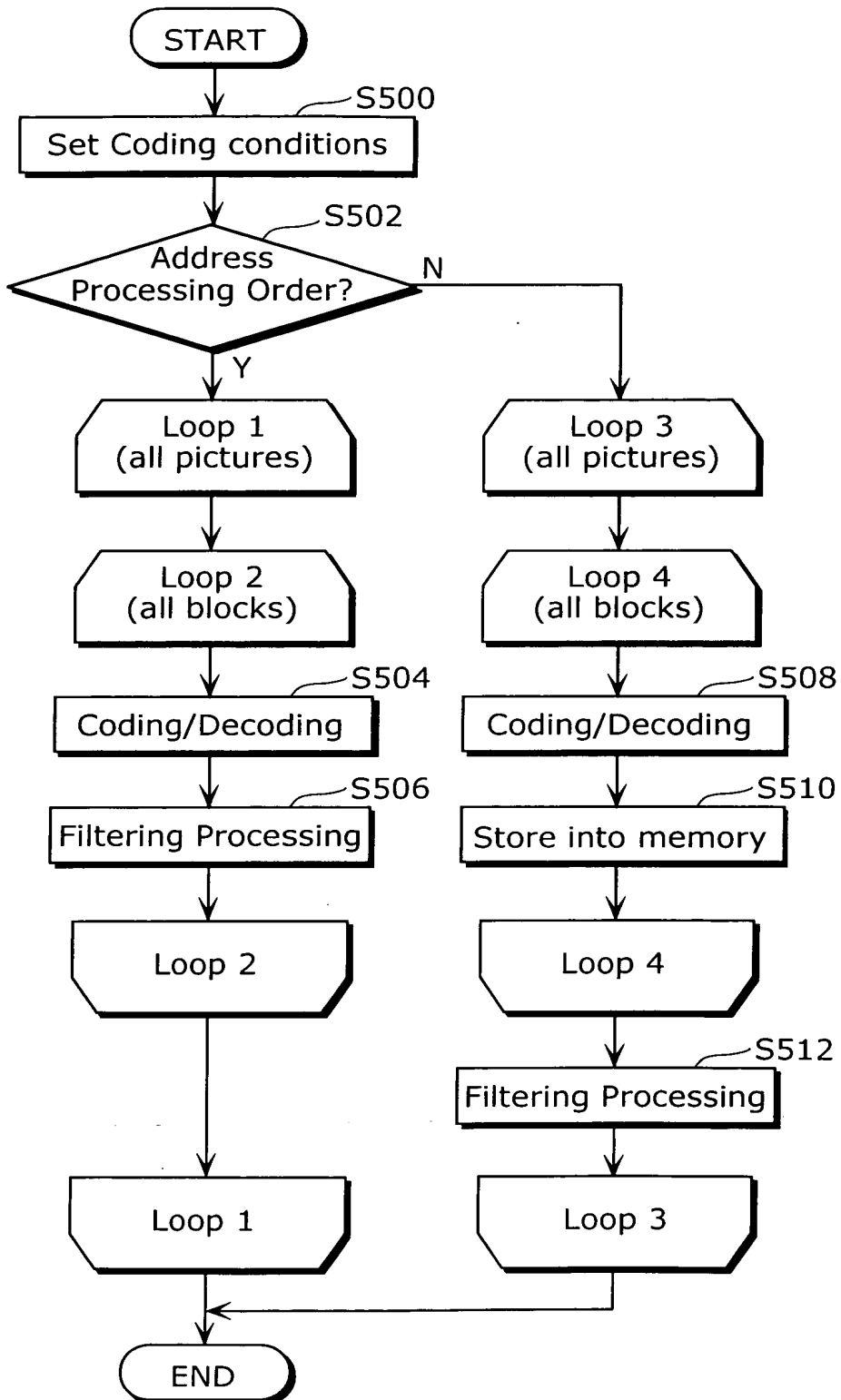
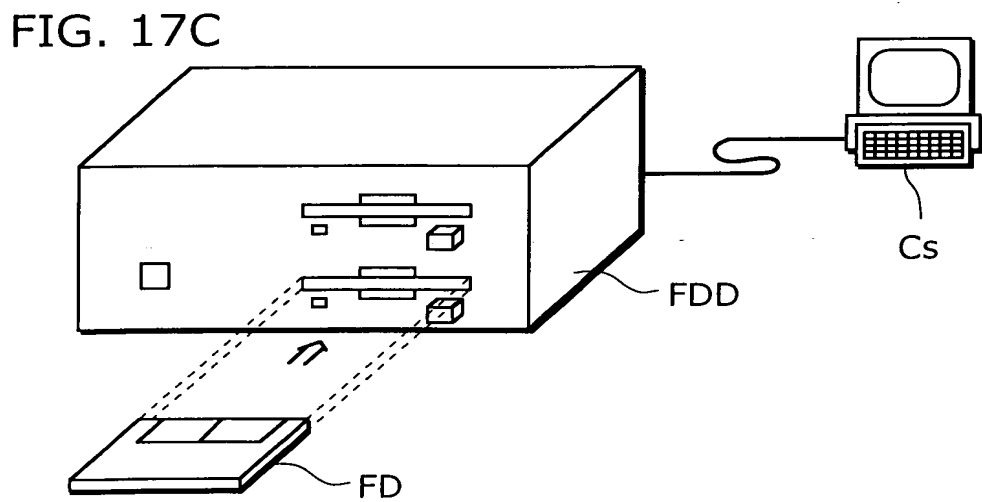
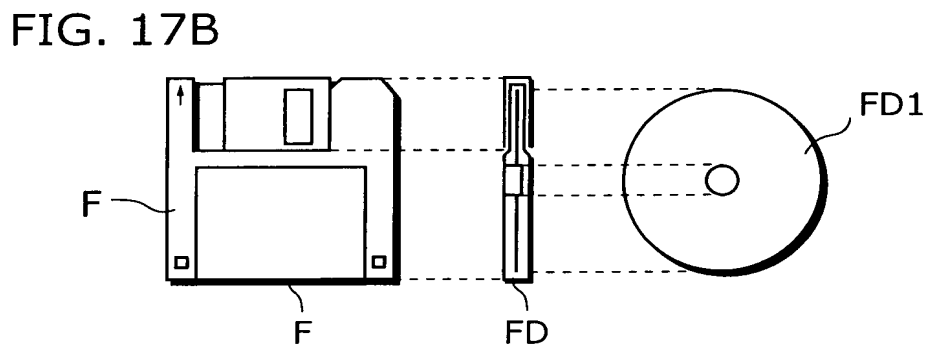
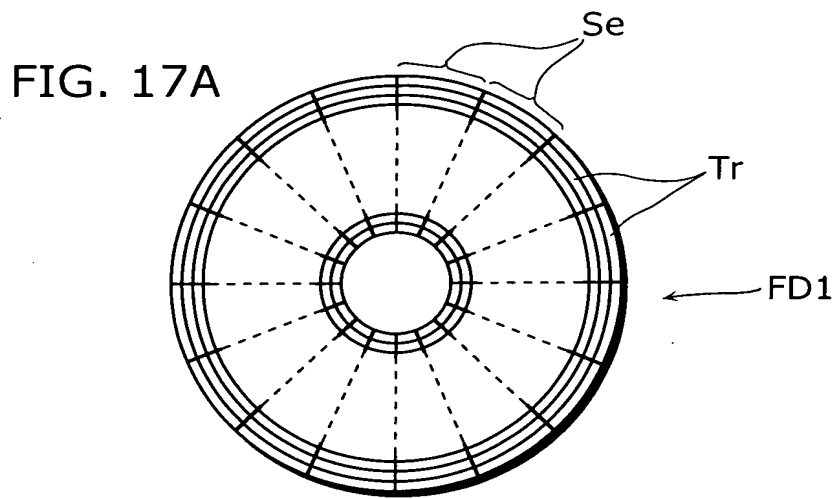


FIG. 16





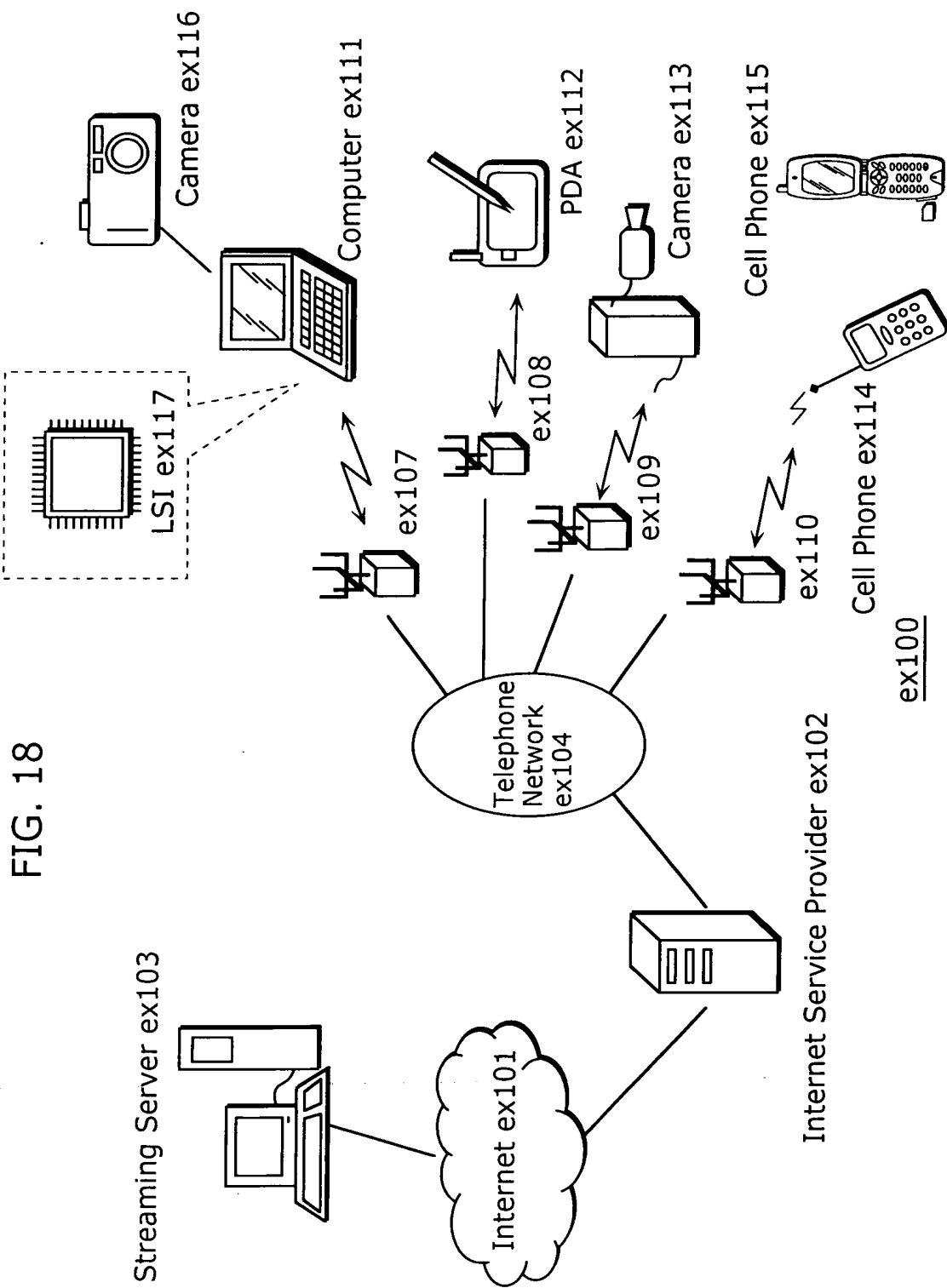


FIG. 18

FIG. 19

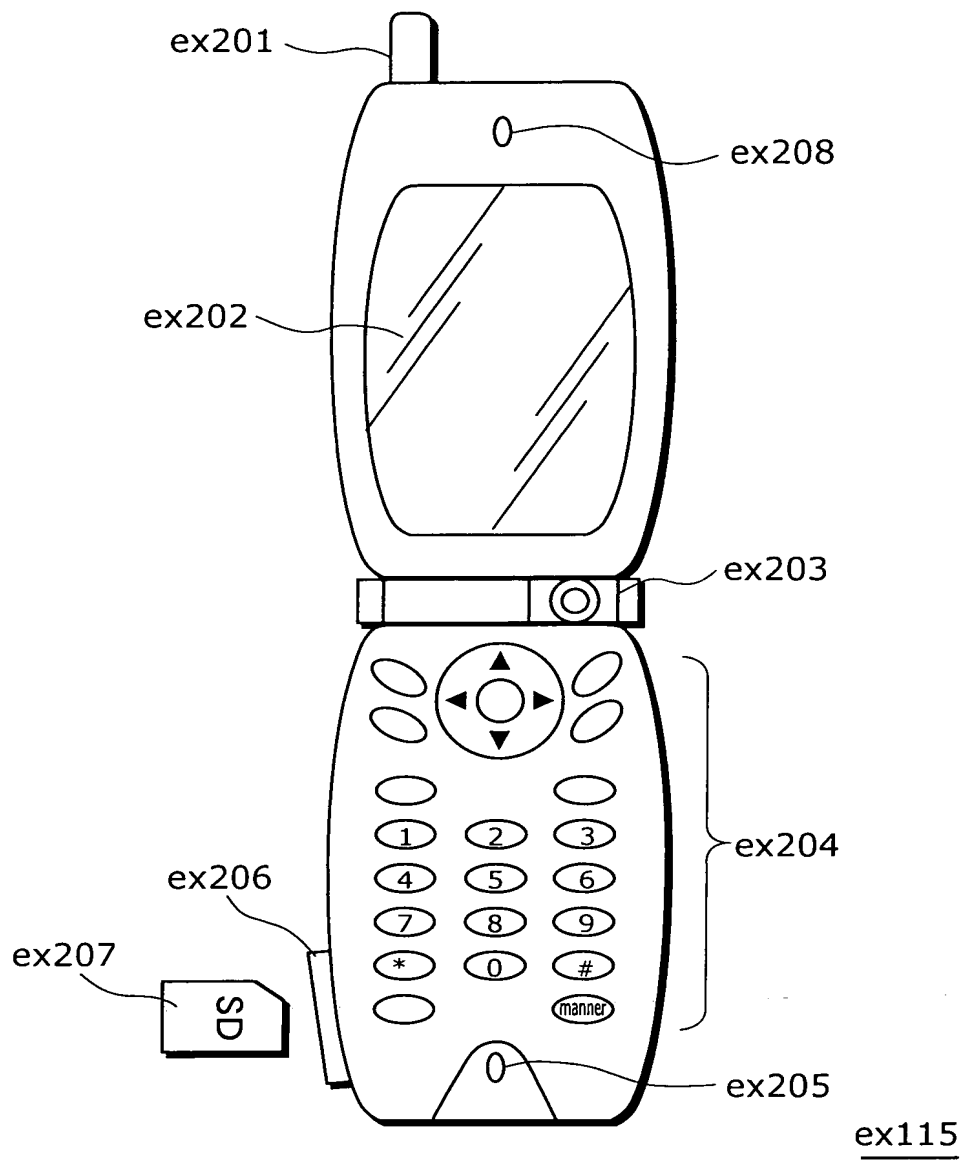
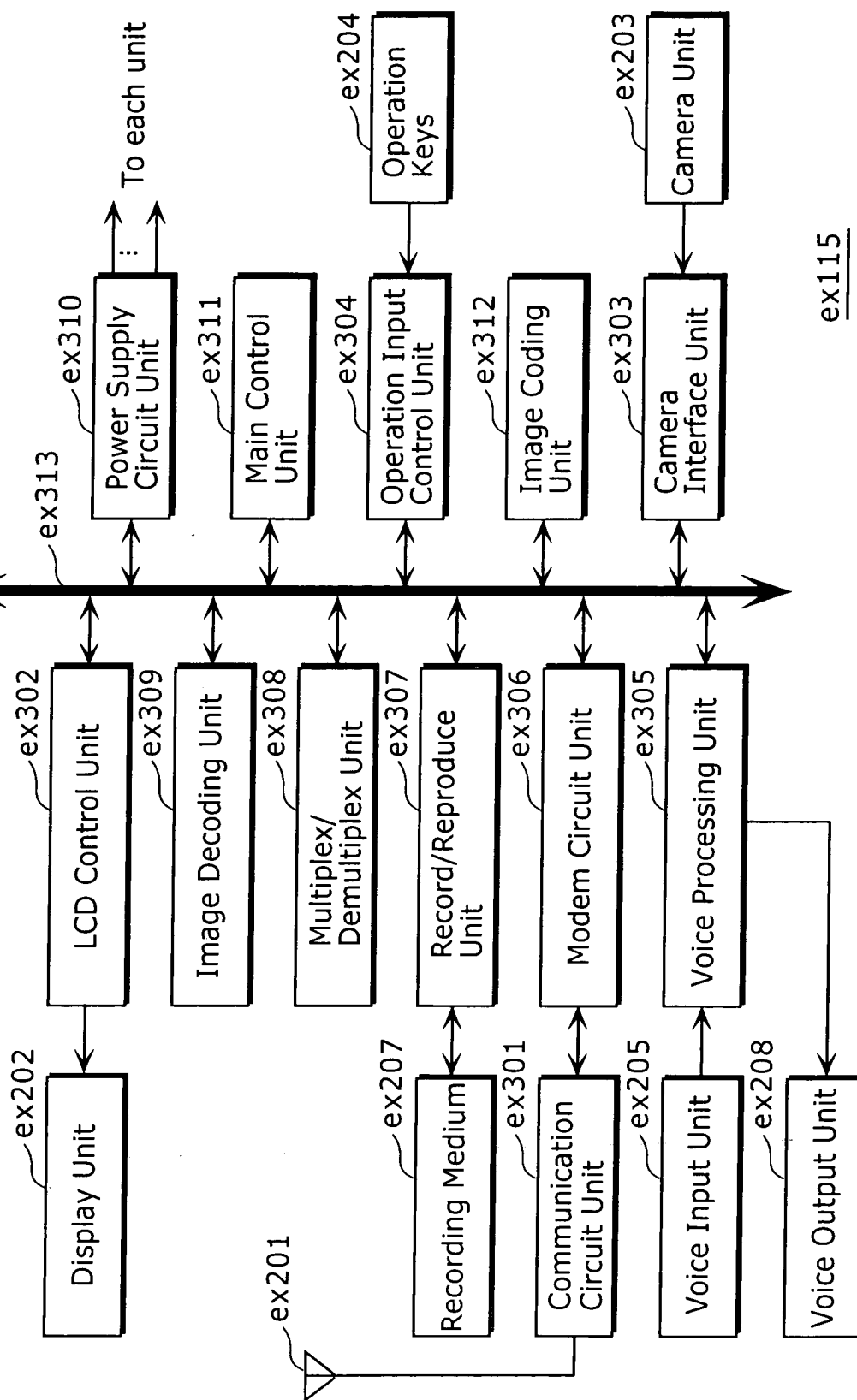


FIG. 20



ex115

FIG. 21

